Angles in Polygon

Find the measures of the indicated angles.

1)
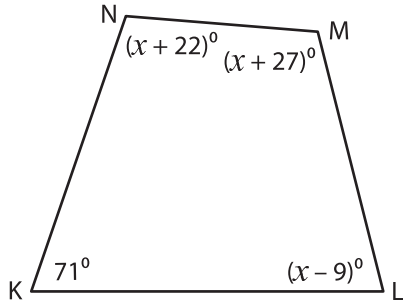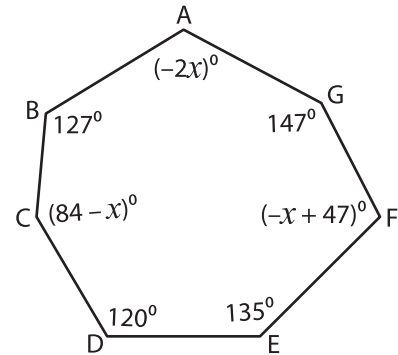
N $(x + 22)^0$ $(x + 27)^0$ M
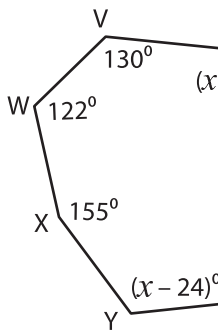
71° K $(x - 9)^0$ L

Sum of the interior angles =

m∠L = _____ ; m∠N =
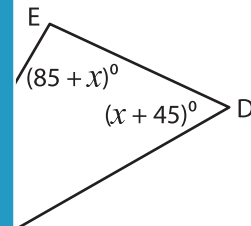
2)

A $(-2x)^0$

B 127° G 147°

C $(84 - x)^0$ $(-x + 47)^0$ F

120° 135°
D E

les = _____ ; x = _____

C = _____ ; m∠F = _____
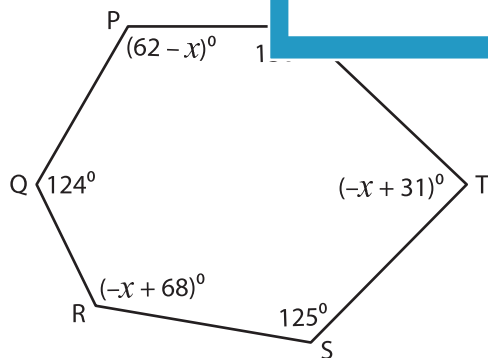
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3)

V 130°
W 122° $(x$

X 155°

$(x - 24)^0$
Y

Sum of the interior angles =

m∠Y = _____ ; m∠T =

E
$(85 + x)^0$
$(x + 45)^0$ D

les = _____ ; x = _____

E = _____ ; m∠F = _____

5)

P $(62 - x)^0$

Q 124° $(-x + 31)^0$ T

$(-x + 68)^0$
R 125°
S

Sum of the interior angles = _____ ; x = _____

m∠P = _____ ; m∠T = _____ ; m∠R = _____

E 125°
A $(x + 25)^0$ D
$(x + 60)^0$

B $(x + 50)^0$

70°
C

Sum of the interior angles = _____ ; x = _____

m∠A = _____ ; m∠B = _____ ; m∠D = _____